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## NOTICE OF ALLOWANCE AND FEE(S) DUE

24114

7590

02/17/2009

LyondellBasell Industries 3801 WEST CHESTER PIKE NEWTOWN SQUARE, PA 19073 EXAMINER

TESKIN, FRED M

ART UNIT PAPER NUMBER

1796 DATE MAILED; 02/17/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/572,817	03/22/2006	Shahram Mihan	LU 6133 (US)	4987

TITLE OF INVENTION: LOOP REACTOR WITH VARYING DIAMETER FOR OLEFIN POLYMERIZATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/18/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

## Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notifical	ed below or directed oth	g the Patent, advance of terwise in Block 1, by (a	rders and notification of a) specifying a new corre	maintenance fees v spondence address;	vill be and/o	mailed to the current or (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPOND	ENCE ADDRESS (Note: Use Bl	Fee pap	e(s) Transmittal. Thi ers. Each additiona	is certi: 1 papei	ficate cannot be used for	domestic mailings of the r any other accompanying t or formal drawing, must	
24114	7590 02/17	/2009		Cer	tificat	e of Mailing or Transn	aission
LyondellBasell 3801 WEST CH NEWTOWN SQ			I he Sta add trar	ereby certify that thes Postal Service valuessed to the Mail asmitted to the USP	is Fee( vith sui Stop TO (57	s) Transmittal is being fficient postage for first 1SSUE FEE address are 1) 273-2885, on the da	deposited with the United class mail in an envelope above, or being facsimile te indicated below.
							(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	₹	ATTC	RNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	05/18/2009
EXAM	EXAMINER		CLASS-SUBCLASS	]			
TESKIN,	FRED M	1796	526-064000	)			
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.  3. ASSIGNEE NAME A	ND RESIDENCE DATA ess an assignee is identi h in 37 CFR 3.11. Comp	'Indication form ed. Use of a Customer A TO BE PRINTED ON '	(1) the names of up to or agents OR, alternatic (2) the name of a sing registered attorney or 2 registered patent attained in the listed, no name will be THE PATENT (print or ty data will appear on the part of	le firm (having as a agent) and the nam orneys or agents. If printed.  pe) patent. If an assign assignment.	membes of uno nan	per a 2 up to ne is 3 dentified below, the do	cument has been filed for
Please check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🗖 Co	orporat	ion or other private gro	up entity 🗖 Government
	are submitted: To small entity discount p # of Copies	permitted)	4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)  A check is enclosed.  Payment by credit card. Form PTO-2038 is attached.  The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
5. Change in Entity State  a. Applicant claim	<b>tus</b> (from status indicated s SMALL ENT1TY statu	*	☐ b. Applicant is no lor	nger claiming SMAl	LL EN	TITY status. See 37 CF	R 1.27(g)(2).
NOTE: The Issue Fee and interest as shown by the i	d Publication Fee (if requeecords of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other than Office.	the applicant; a regi	stered	attorney or agent; or the	e assignee or other party in
Authorized Signature				Date			
Typed or printed name	e						
This collection of inform an application. Confident submitting the completed this form and/or suggesti	ation is required by 37 C tiality is governed by 35 I application form to the ons for reducing this bur firming 22313-1450. DO	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the	on is required to obtain or 1.14. This collection is es depending upon the indi- e Chief Information Offic COMPLETED FORMS	retain a benefit by t stimated to take 12 re vidual case. Any co er, U.S. Patent and O THIS ADDRESS	he pub minute mmen Trader	lic which is to file (and s to complete, including ts on the amount of tim mark Office, U.S. Depa D TO: Commissioner for	by the USPTO to process) g gathering, preparing, and the you require to complete the to Commerce, P.O. or Patents, P.O. Box 1450

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LyondellBasell	Industries	TESKIN, FRED M					
3801 WEST CHI	ESTER PIKI	ART UNIT PAPER NUMBER					
NEWTOWN SQUARE, PA 19073				1796			
				DATE MAILED: 02/17/2009			

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 377 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 377 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	T	T			
	Application No.	Applicant(s)			
Nation of Allowahility	10/572,817	MIHAN ET AL.			
Notice of Allowability	Examiner	Art Unit			
	Fred M. Teskin	1796			
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not included will be mailed in due course. <b>THIS</b>			
1. $igspace$ This communication is responsive to <u>REPLY FILED DECE</u>	<u>MBER 15, 2008</u> .				
2. ☑ The allowed claim(s) is/are <u>1-3 and 6-8</u> .					
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority ur</li> <li>a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have</li> </ul>	,				
2. ☐ Certified copies of the priority documents have					
3. ☑ Copies of the certified copies of the priority do					
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements			
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give					
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	st be submitted.				
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO-	948) attached			
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	;				
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	Office action of			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t					
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT					
Attachment(s)	5 Notice of Informal B	atont Application			
<ol> <li>Notice of References Cited (PTO-892)</li> <li>D Notice of Draftperson's Patent Drawing Review (PTO-948)</li> </ol>	<ol> <li>5. ☐ Notice of Informal P</li> <li>6. ☐ Interview Summary</li> </ol>	• •			
2. Motice of Dialiperson's Fatent Diawing Review (FTO-946)	Paper No./Mail Dat	e			
3. Information Disclosure Statements (PTO/SB/08), 7. Examiner's Amendment/Comment Paper No./Mail Date					
4. Examiner's Comment Regarding Requirement for Deposit	8. 🔲 Examiner's Stateme	ent of Reasons for Allowance			
of Biological Material	9.				
/Fred M Teskin/					
Primary Examiner, Art Unit 1796					